

FIG. 1

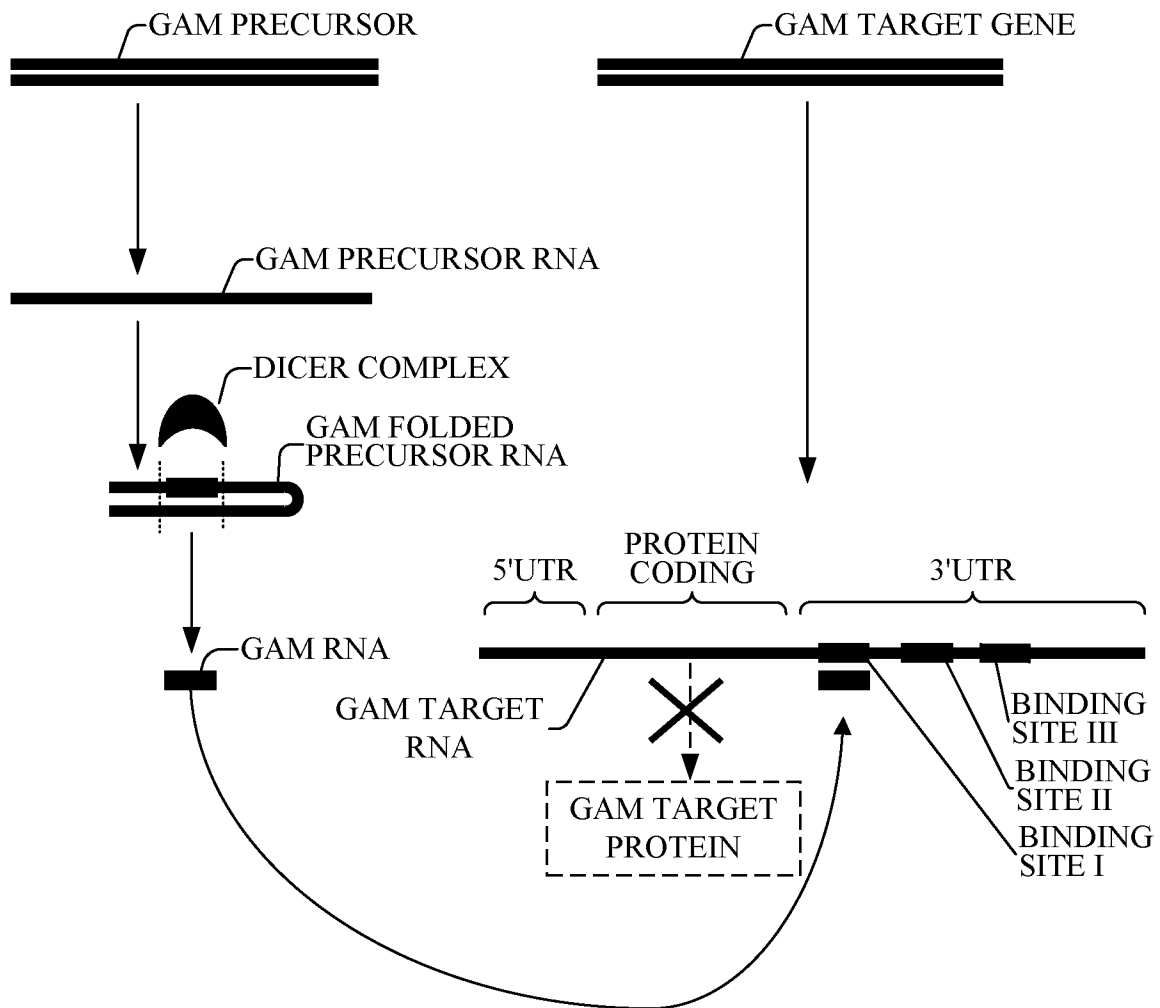


FIG. 2

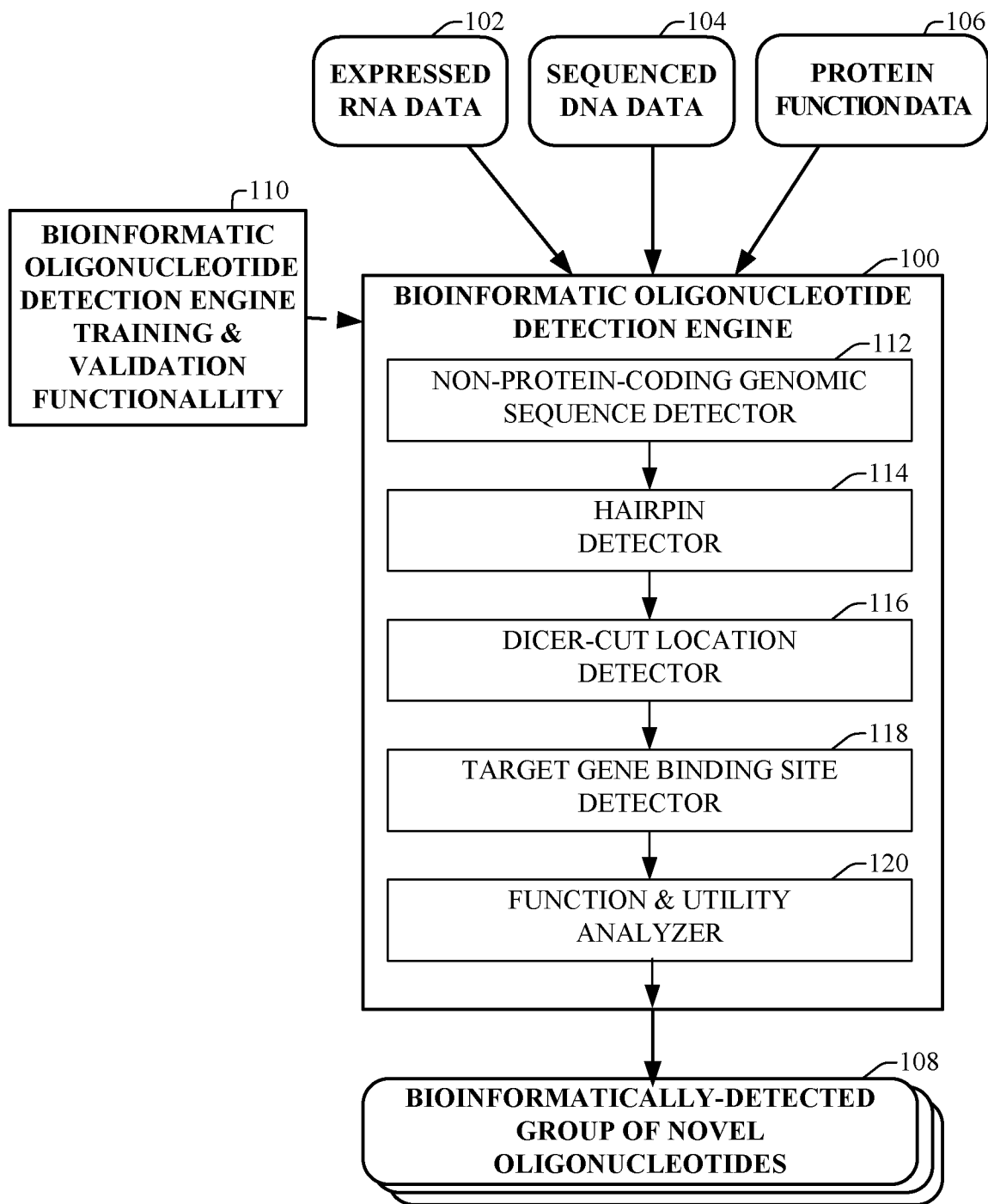


FIG. 3

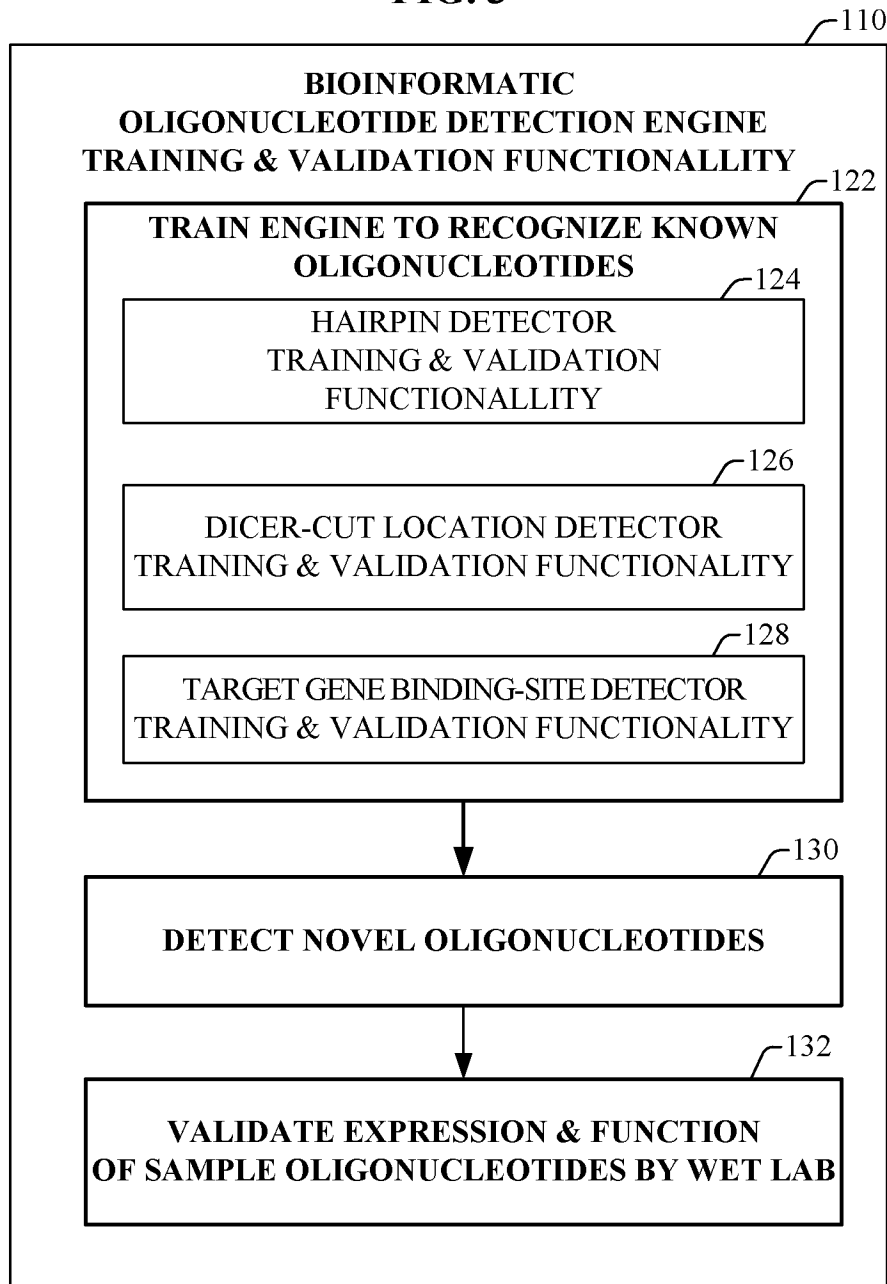


FIG. 4A

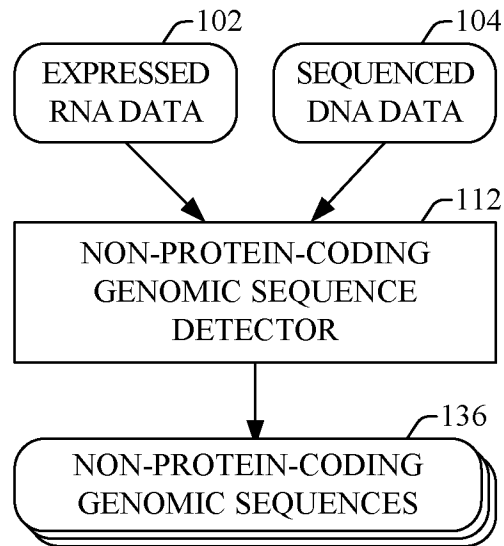


FIG. 4B

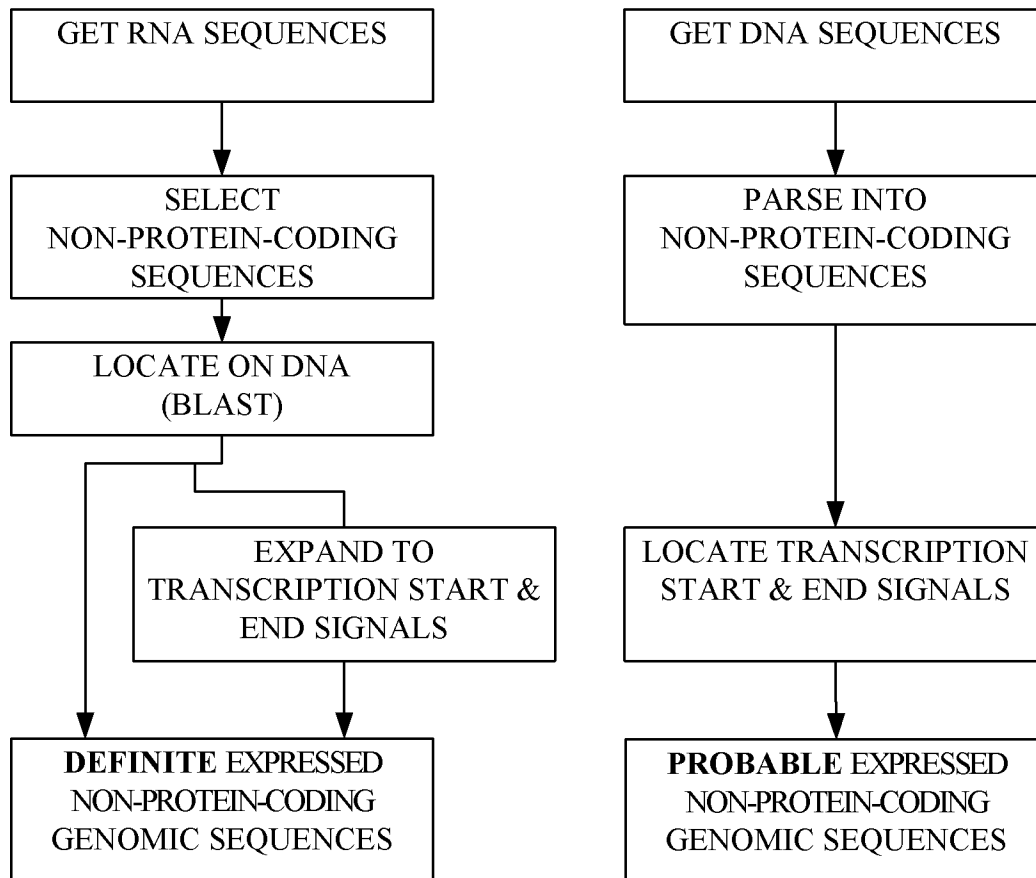


FIG. 5A

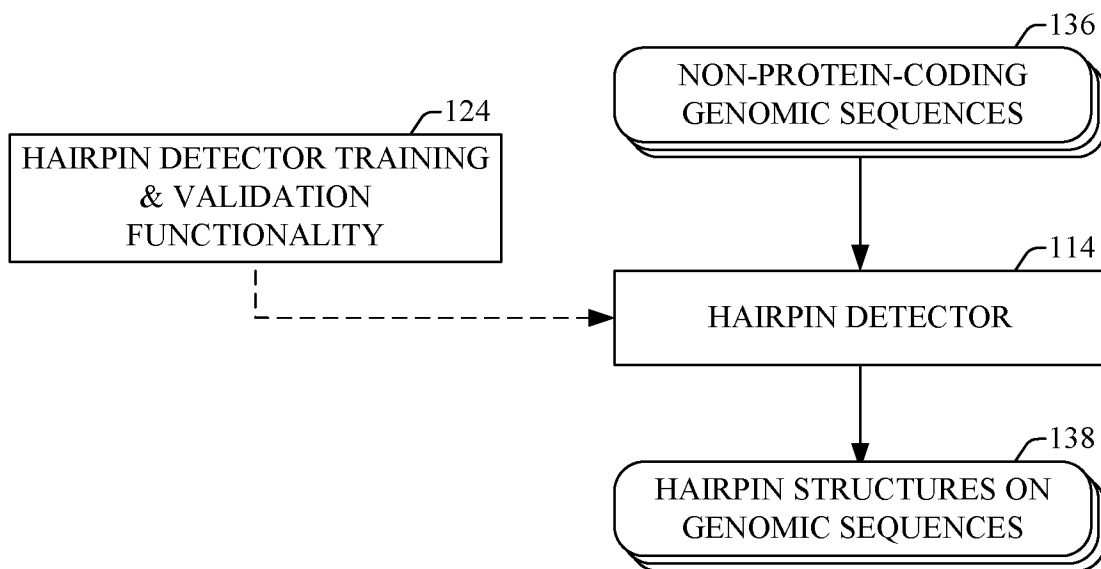


FIG. 5B

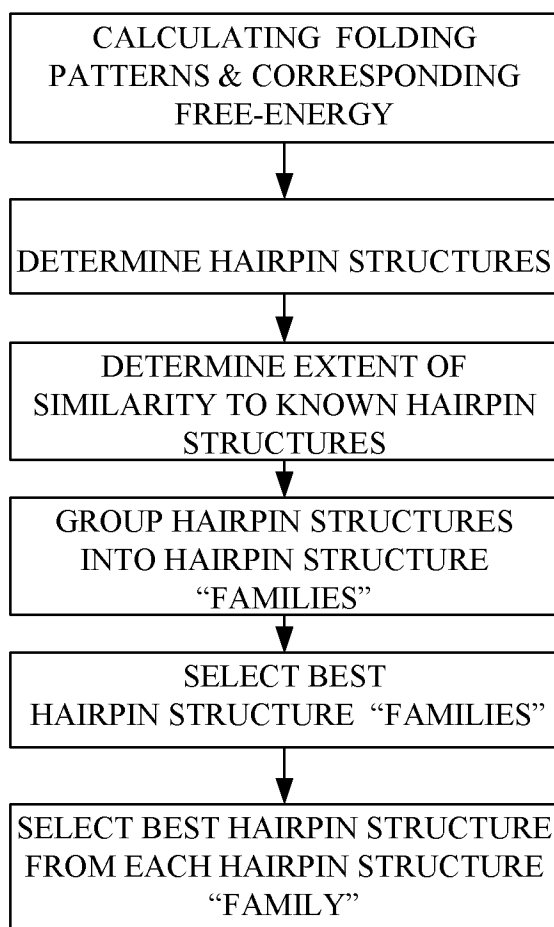


FIG. 6A

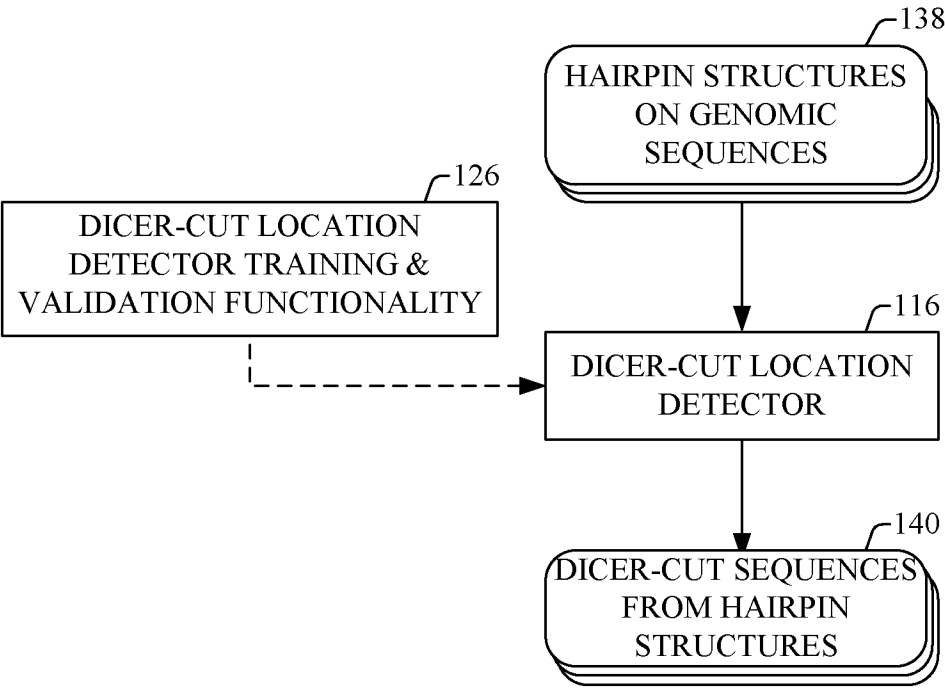


FIG. 6B

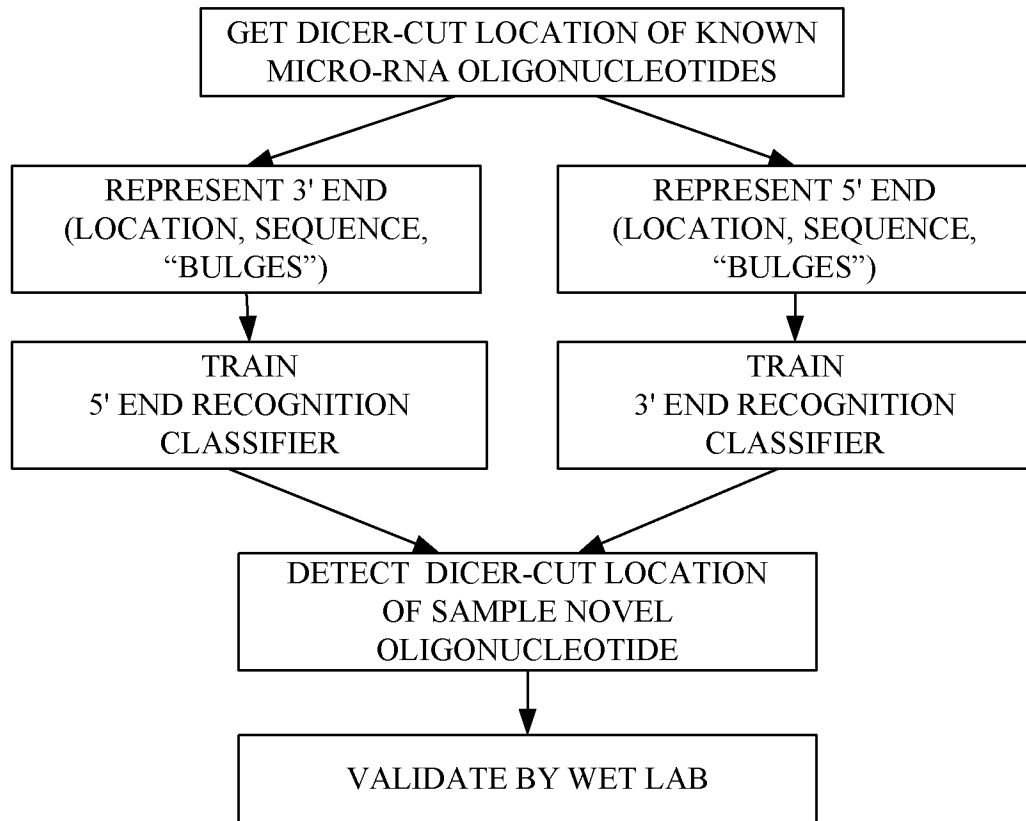


FIG. 6C

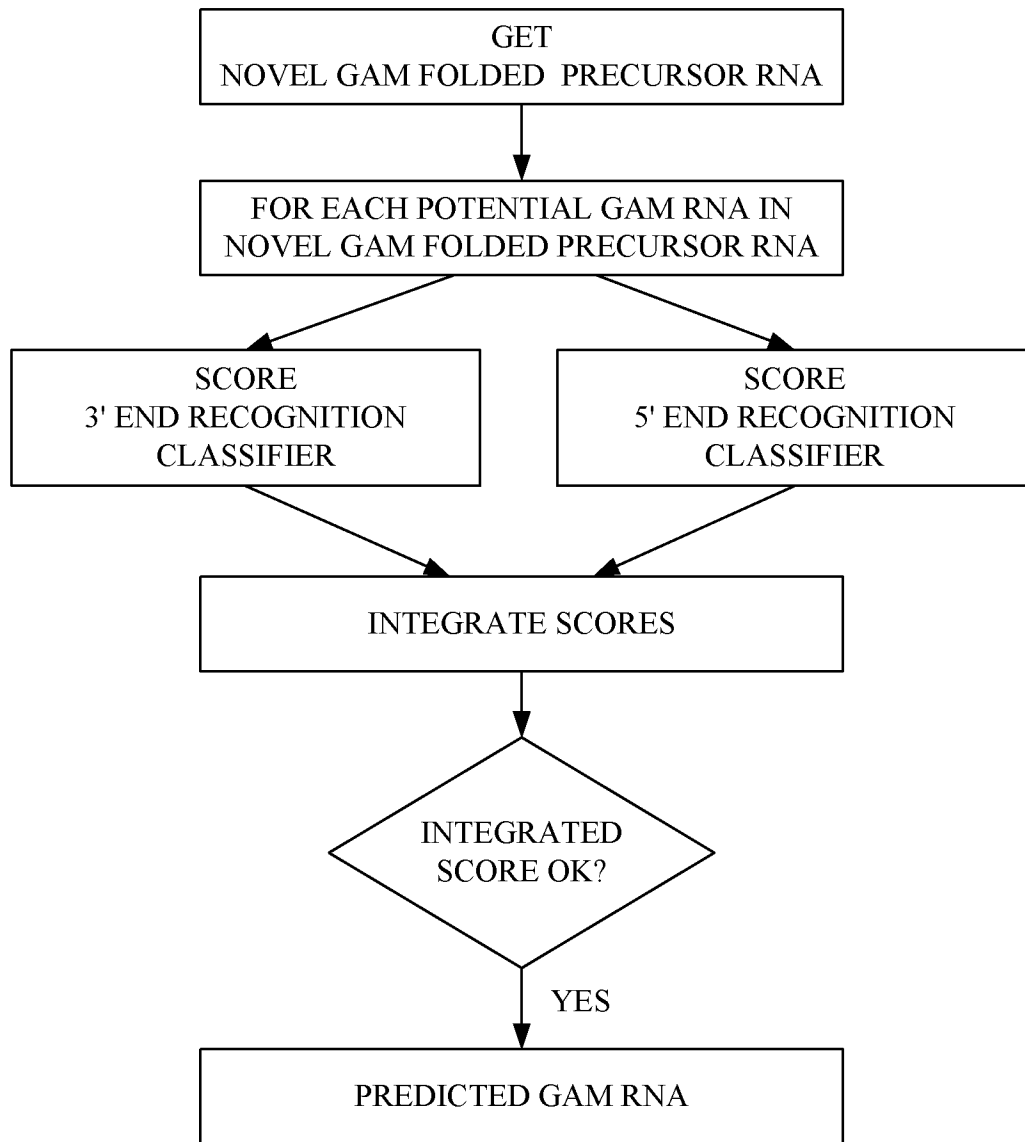


FIG. 7A

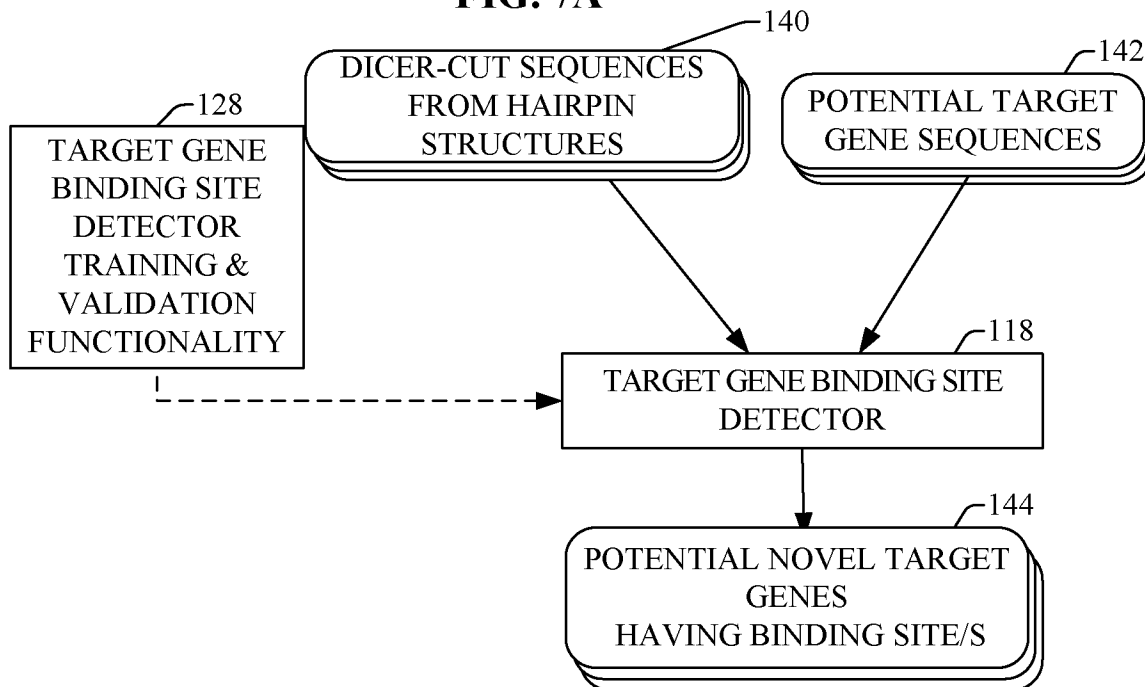


FIG. 7B

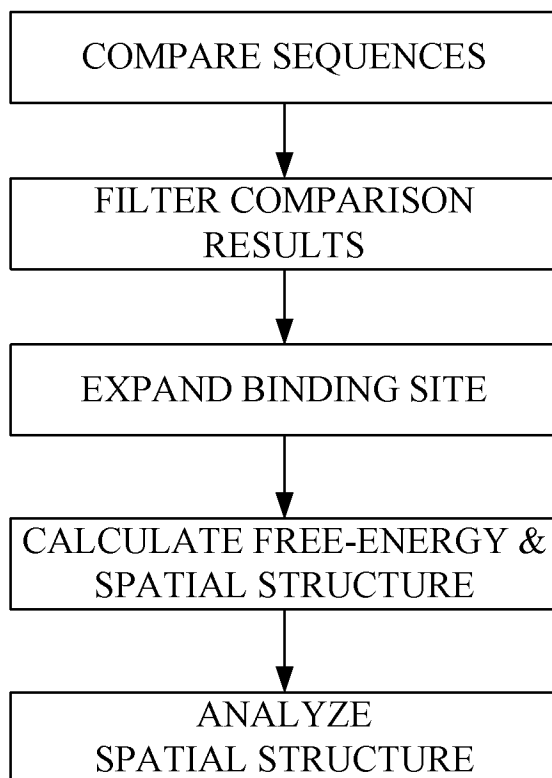


FIG. 8

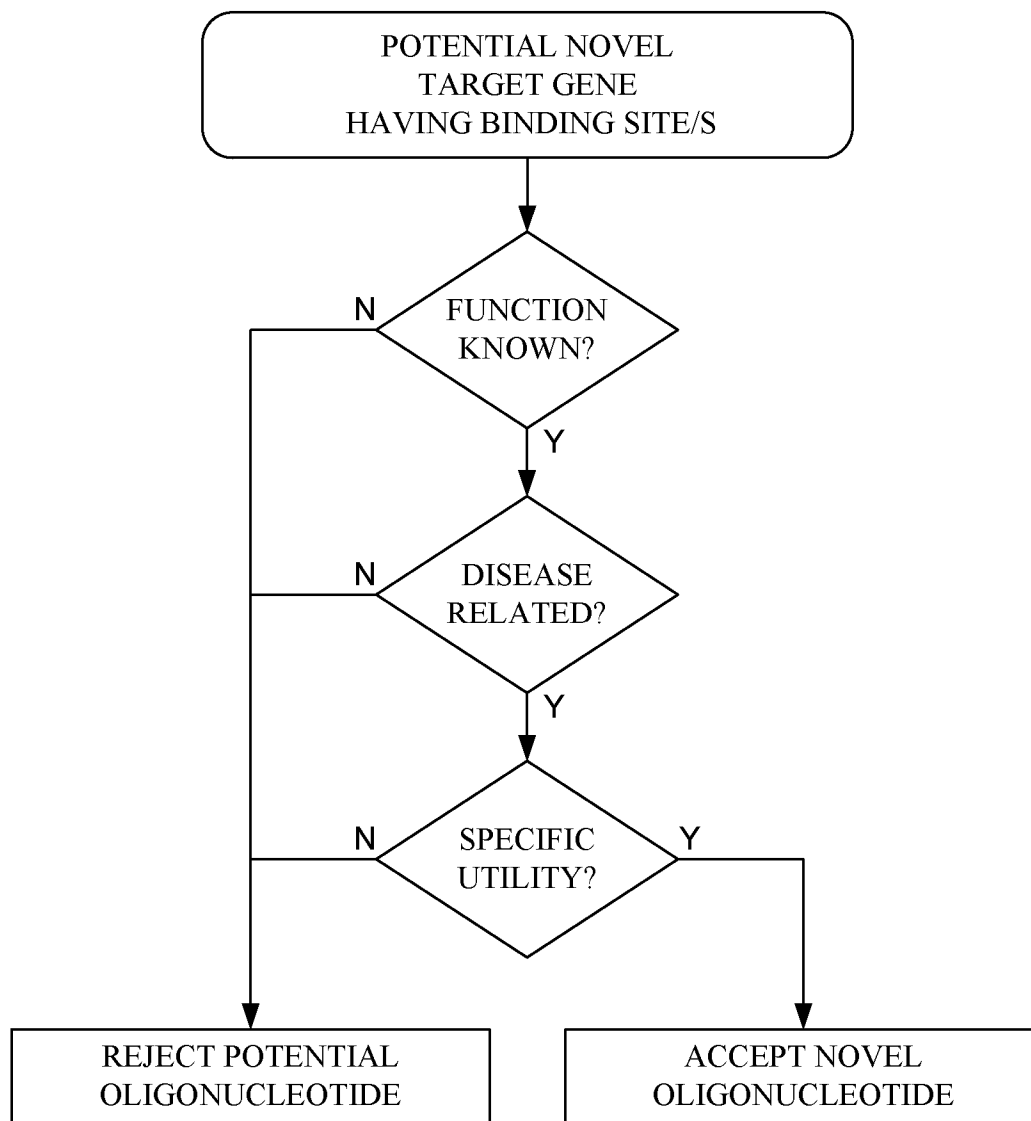


FIG. 9

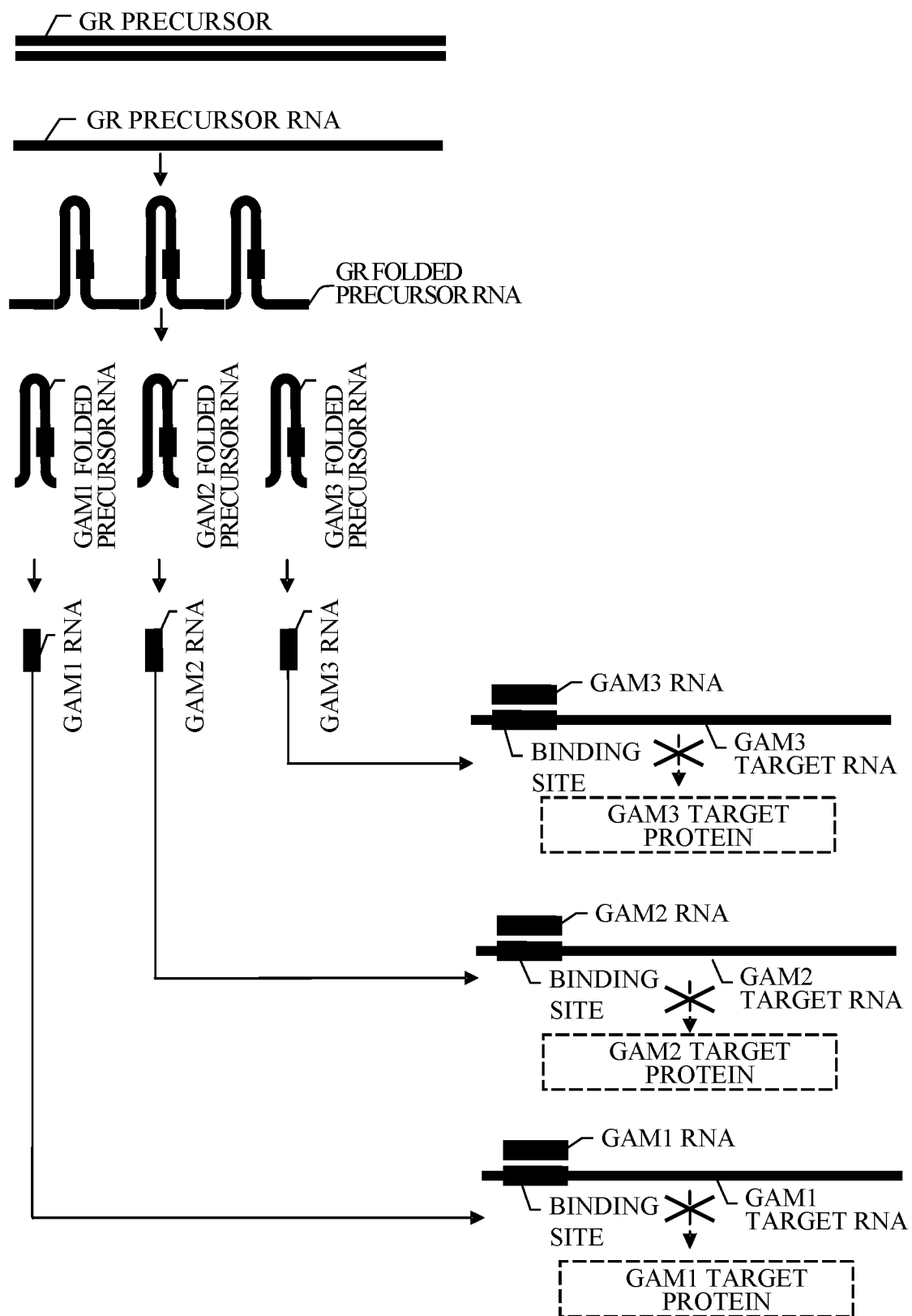


FIG. 10

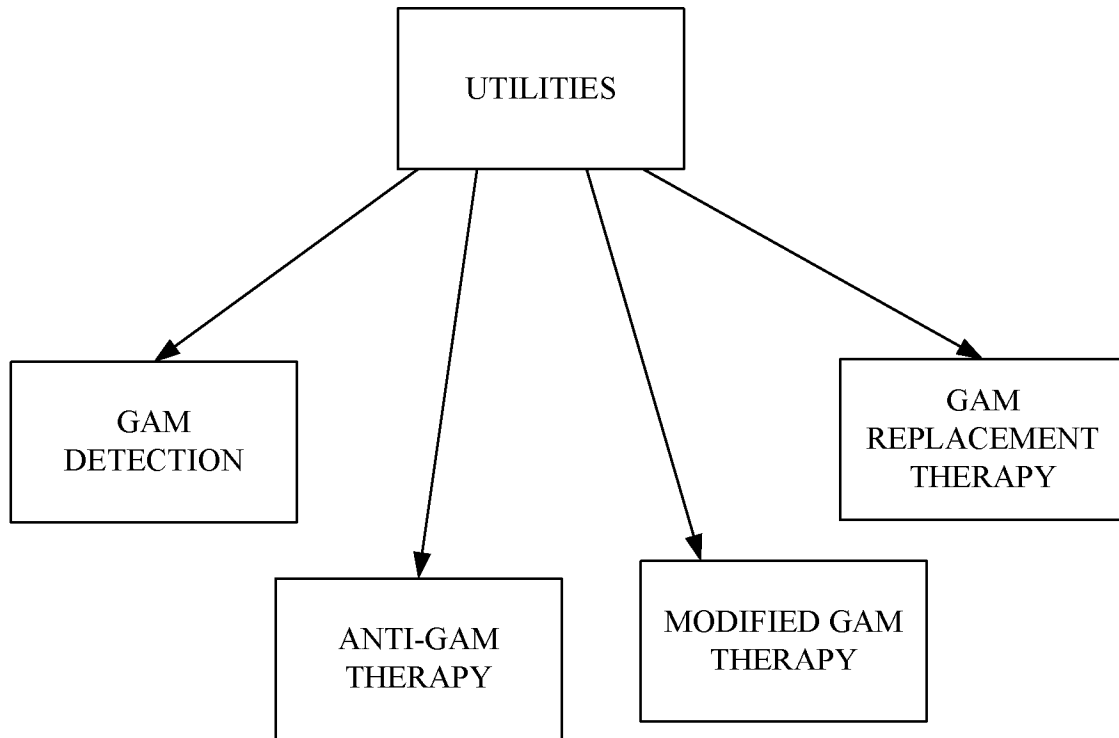


FIG. 11A

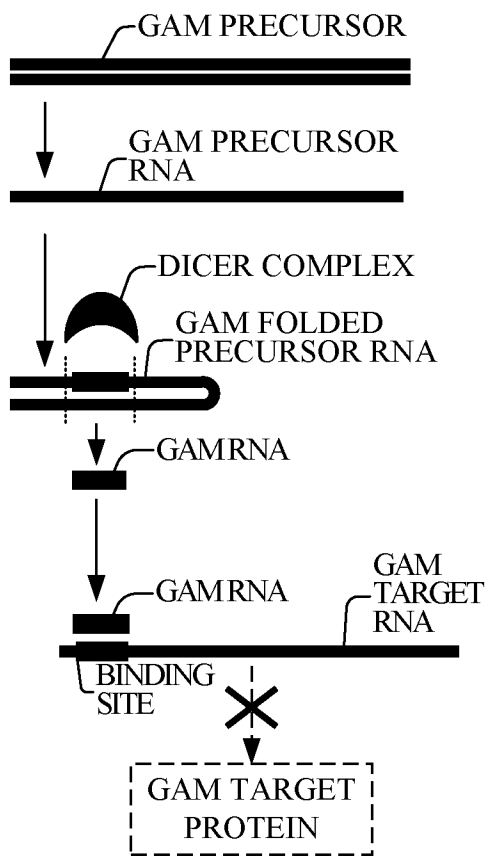


FIG. 11B

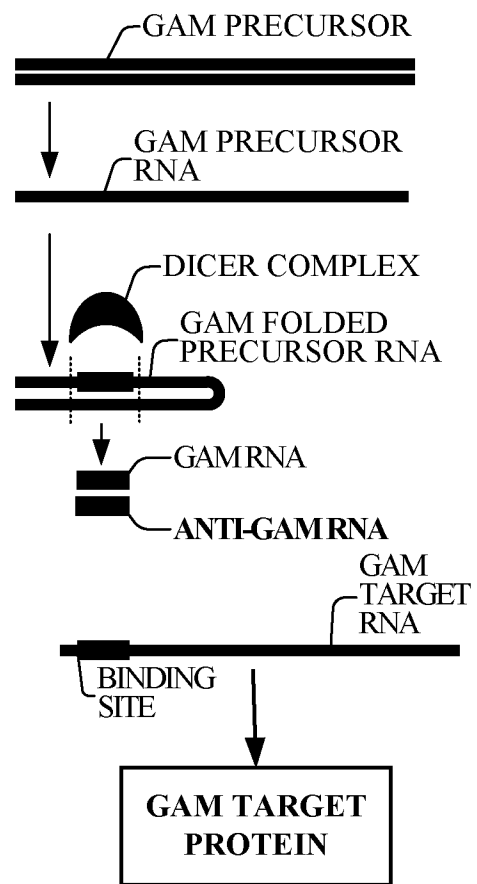


FIG. 12A

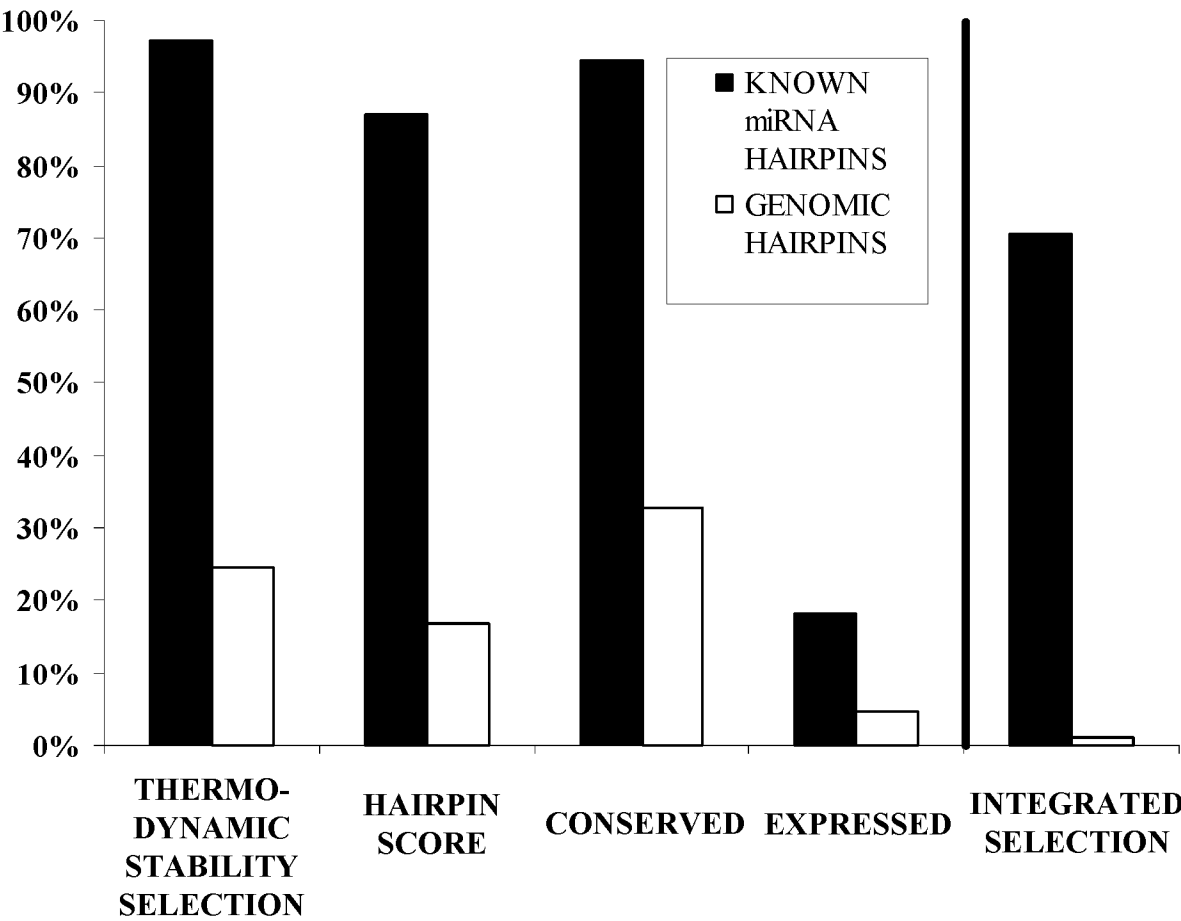


FIG. 12B

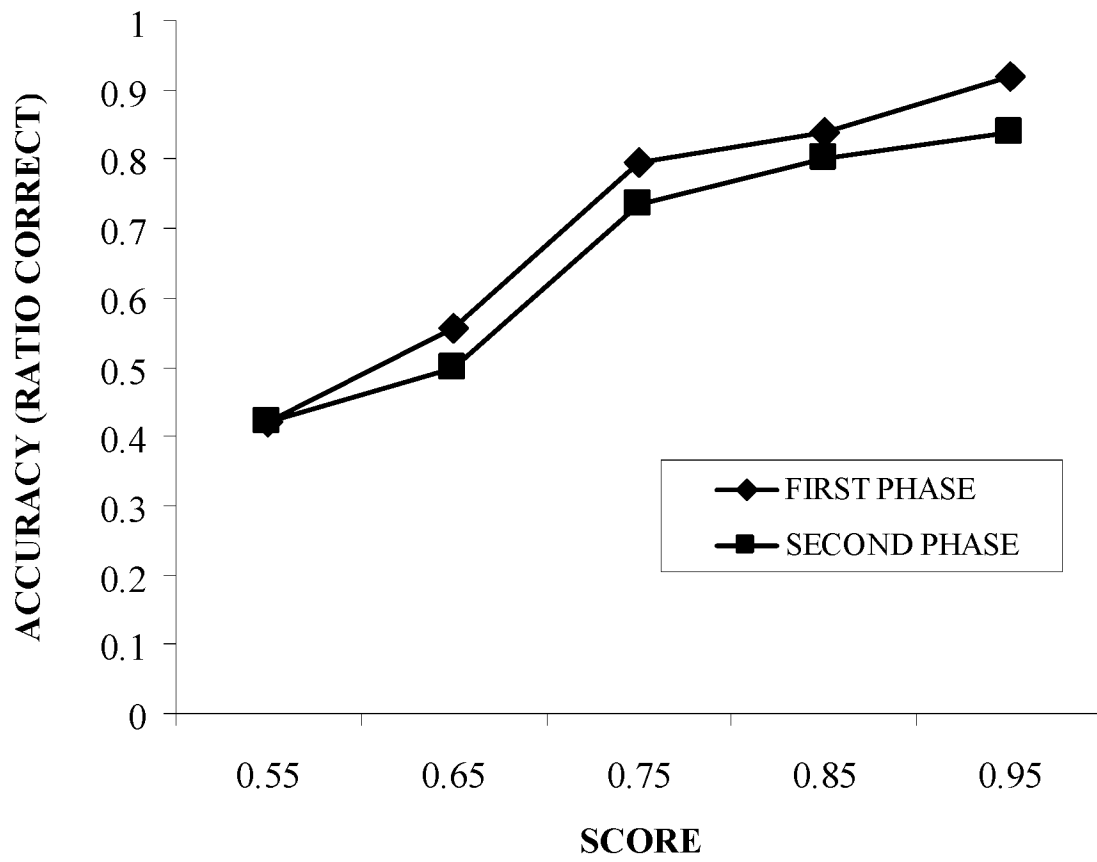


FIG. 12C

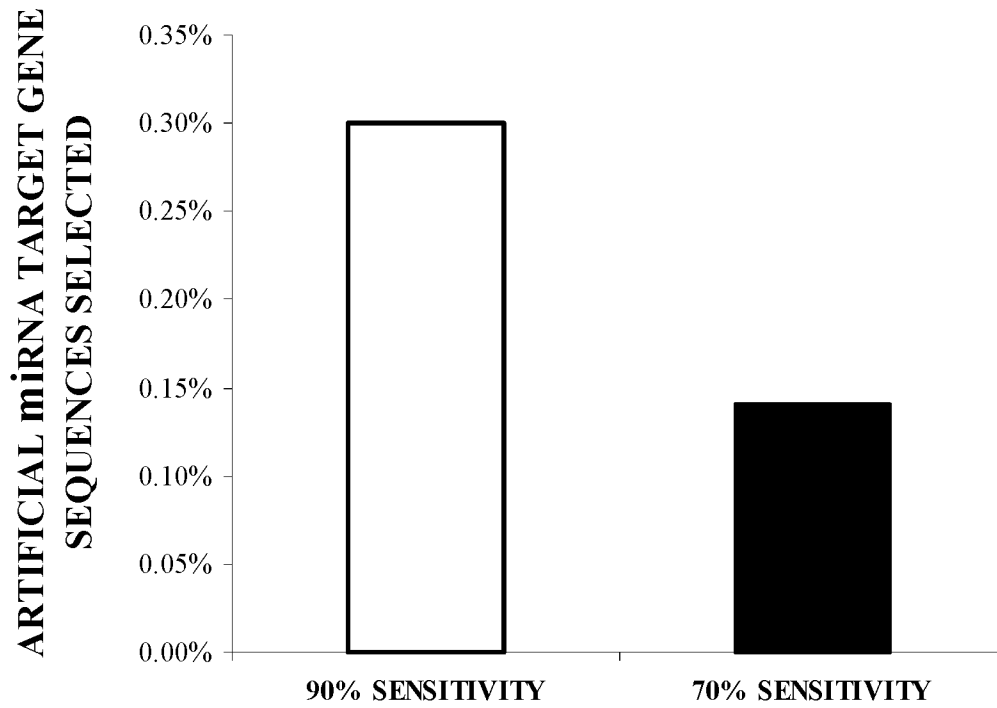


FIG. 13

ROW	PRIMER SEQUENCE	SEQUENCED SEQUENCE	PREDICTEDGAM RNA	DIST- ANCE	GAM NAME
1*	AATTGCTTGAAC	CCAGGAAGTGGA	AATTGCTTGAACCCAGGAAGTGGA	0	25-A
2*	ACTGCACCTCC	AGCCTGGGC	ACTGCACCTCCAGCCTGGGCTAC	0	351661-A
3	CACTGCACCTC	CAGCCCGAGCAACA	CACTGCACCTCCAGCCCGAGCAA	0	351946-A
4	CTAGACTGAAG	CTCCTTGAGGAC	CTAGACTGAAGCTCCTTGAGGA	0	352759-A
5	GAAGTTTGAAG	CCTGTTGTTCA	GAAGTTTGAAGCCTGTTGTTCA	0	4426-A
6	TCACGTGCAAC	CTCCACCA	(TCACGTGCAACCTCCACCACGCTG),(TC ACTGCAACCTCCACCAGCCT)	0	(357950- A),(352721-A)
7*	TCTAAGAGAAAG	GAAGTTCAGA	TCTAAGAGAAAGGAAGTTCAGA	0	337950-A
8	GGGCAGTGGA	GCTGGAA	GGGCGTGAGCTGGAATGATGT	1	351996-A
9	AATTGCTTGAAC	CCAAGAAAGTGGA	AATCACCTGAACCCCAAGAAAGTG	2	351874-A
10	AGCAGCCCA	GGGTTTTGT	AGCAAGACCAGGGTTTTGT	2	352083-A
11	AGGCAAGACG	GACCAGA	AGGCAGAGAGGACCAGAGACT	2	351944-A
12	AGGAAAAGAAT	TAATGTGAA	GGGAAATTAATTAATGTGAAATC	2	353325-A
13	AGGAAAAGAAT	TAATGTGAG	AGGAAAAAAATTAATGTGAGTC	2	352649-A
14	ATTACAGTTG	CCCATGTTT	(ATTGTTGCCATGTTTTATT), (TATTCAATGCCCATGTTTGTGA)	2	A),(352957- A,(352960-A)
15	CTAGACTGAAG	CTCCTTGAGG	CTGGA CTGAGCTCCTTGAGGCC	2	352288-A
16	TTCAGAGTGT	TAAGTTCTG	TTCGTATGTTAAGTTCTGTCA	2	353875-A
17	TTCAGAGTGT	TAAGTTCTGC	TTCAAAGTGTTAAGTTCTGCTT	2	351940-A
18	AGCAGCCCA	GAAAGGAGC	AGGCCAAAGAAAGGAAGCAGAGG	3	352496-A
19	AGTTTGCCCTTG	TAAGAAAAAG	AGTTTGTGTAAGAAAAAGC	3	352518-A
20	ATCAGAGGGTG	GGTGCTAA	ATTAGGAGAGTGGGTGCTAAGT	3	352511-A
21	ATGGTGGGAG	AGTTTGTCACT	TGGAGGAGAGTTTGTCACTATAG	3	353484-A
22	CCCAGGAAG	TGGAGCCTGGGC	CCCGGCTGGAAGCCTGGGCTGTG	3	351990-A
23	GGGCAGTGGA	GGTCCGT	AGGGCAGGAGGTCGCTCCCTTC	3	353880-A
24	GGGCAGTGGA	TCTAGAC	GTGACAGTGAATCTAGACAGAC	3	352810-A
25	TCAAAGCTCA TTC	CACATAAA	CTCAGCTCAATCCACTAAATCCC	3	353184-A
26	TGGAAGAATT	GGTTGATAGTT	GGAATGGTGGTTGTATGTTG	3	353855-A
27	TGGAGAGTT	CCATATTTTG	TGATAGATCCATATTTTGGTAA	3	352004-A
28	TGGAGAGTT	GTTTGTACAGT	TGGGTTTTGTTTGTACAGTGTA	3	353160-A
29	TCACGTGCAAC	CTCCACC	TCACGTGCAACCTCCACCCTCCG	0	353856-A

FIG. 14A

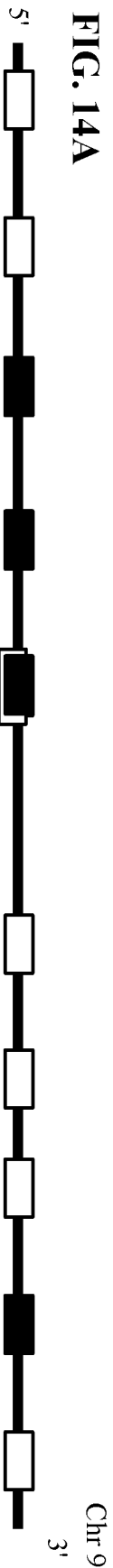


FIG. 14B

N2
 5' G A CAGT C--- G C--- CC \
 3' CCC TG GGAA GGC GGGATT TC CAGGG CCCCTT
 3' GGG AC CCTT CCG CCTGA AG GTCCT GGGGGA A CG

N3
 5' AC- TA ACA --- - --- AG
 3' CTC CTGTTGC GCATA GGC GTG AAGG CCGC T
 3' GGG GACAGACG TGTGT CCG CCG TTCC GCG G

MIR23
 5' -- C GTGACT T
 3' ACC TAGGGACCGT AC ACTAAA A
 AT T - ATTAGA

GAM7617
 5' - CACT ----- T A ACA -- - G- ----- -GG
 3' GGTGCG CGCT GCA GAT GG GA GGT GCATCT C TAGCT CTTCTTT A
 3' CCACT GCGA CGT CTG CC CT CCA CGTAGA G GTCGA GAAGAAA A
 A CC-- ATTTATTCC - A GG- CT A GA CCACC ACA

GAM252
 5' AACA ATTG TGAT T
 3' TCTCT AGGTGCAGAGCTTAGCTG GTGAACAG TGG \
 3' AGAGA FCCACGTCTTGAATCGGT CACTTGT GCG T
 AG-- GA-- TC-- T

N4
 5' GGGG G AGCGC G A TT G
 3' TG CA TTAAGTTGG TG GGCAG GGCAG GCT A
 GC GT GGTGACT AC TCGTC CCGC CCG C
 --- G GAC--- G G --- G

N0
 5' GGTCAAATGTATTGAAAGTTGCAAAAATCTTCTTACAAA
 3' AAACAAAACCAATGCATCACCTAAGTGTGTGAAATCA

N6
 5' TG -- C -- GG T G T
 3' GGTG A GGGGG GGGG CG GC TTCGGAG AGC C
 3' CTGAC T TGTCT TCTC GT CG GGGTCTT TTG C
 GT TA C AA GG C G T

MIR24
 5' G G A TA TCTCAT \
 3' GAGG CA GGA GACTTGACT GGTCA C
 A A C C- CACATT

N7
 5' - AT T AAA AG --- - T
 3' TAGC AGCT TGTG ACGC GCGTG TACA GCC TG C G
 3' GTCG TCGG ACAC TCGG CCGAC GTGT CCG AC G G
 C C- - AC- GA GCAC T T T

FIG. 14C

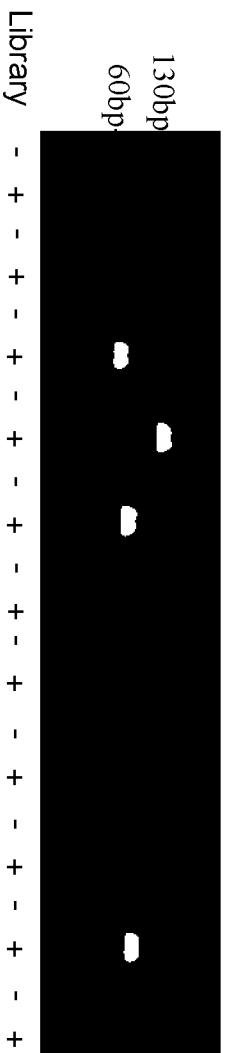


FIG. 15C

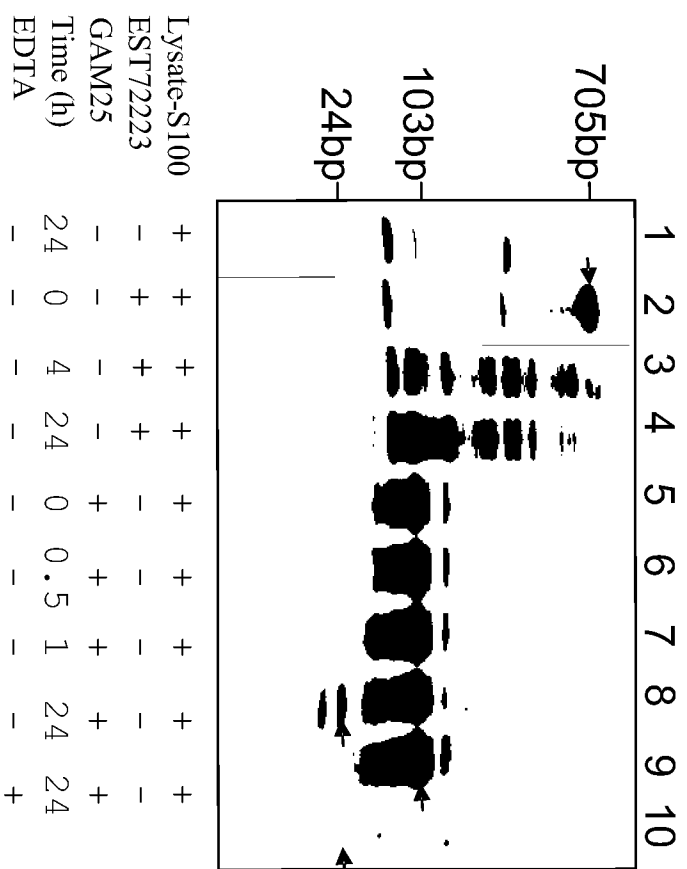


FIG. 15D

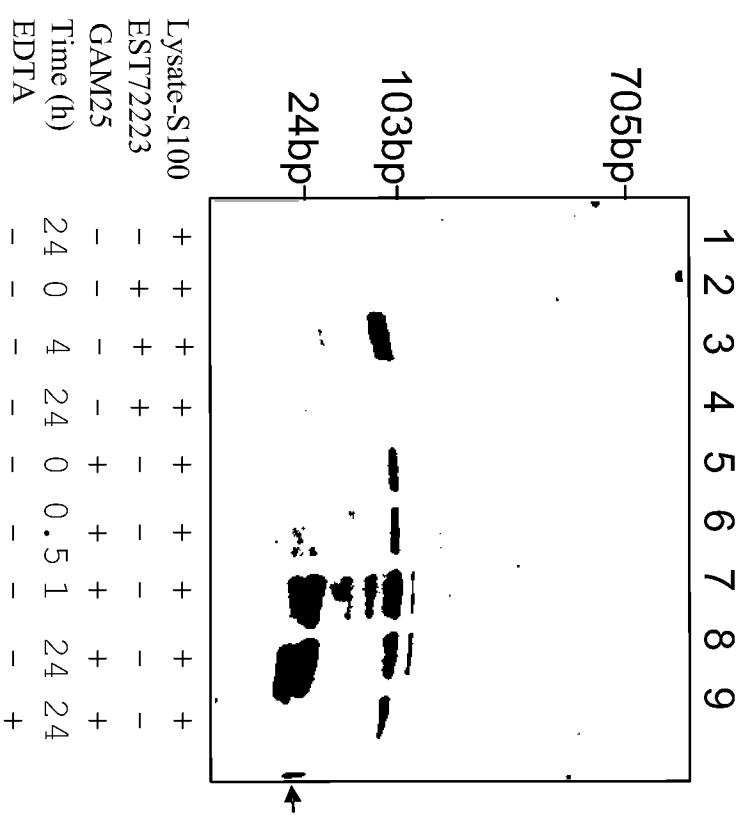


FIG. 16A

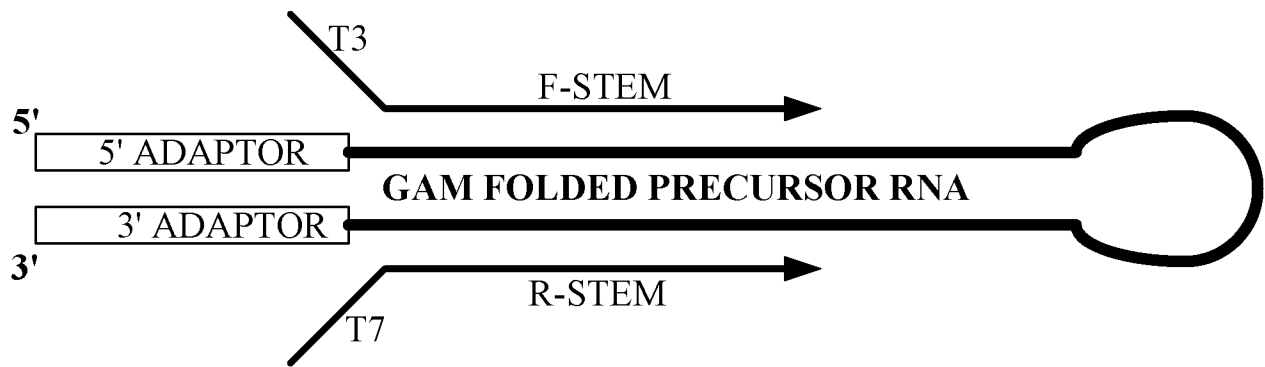


FIG. 16B

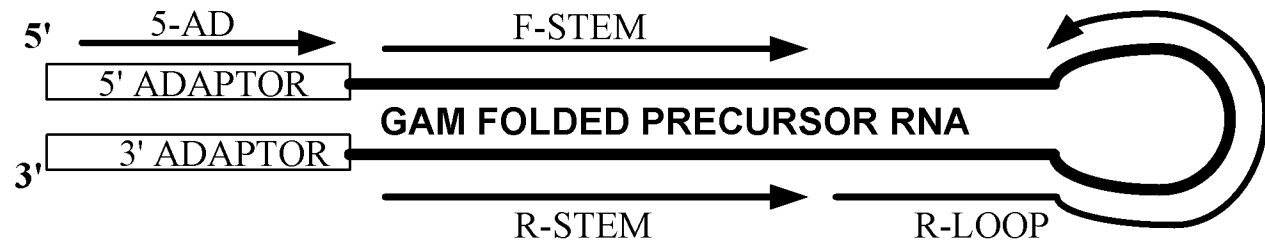


FIG. 16C

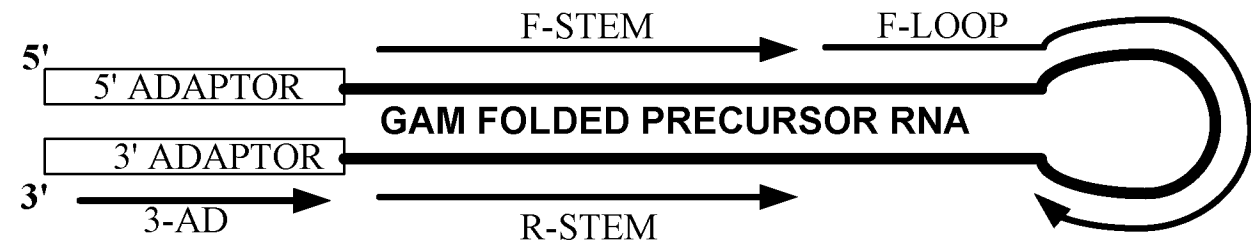


FIG. 17A

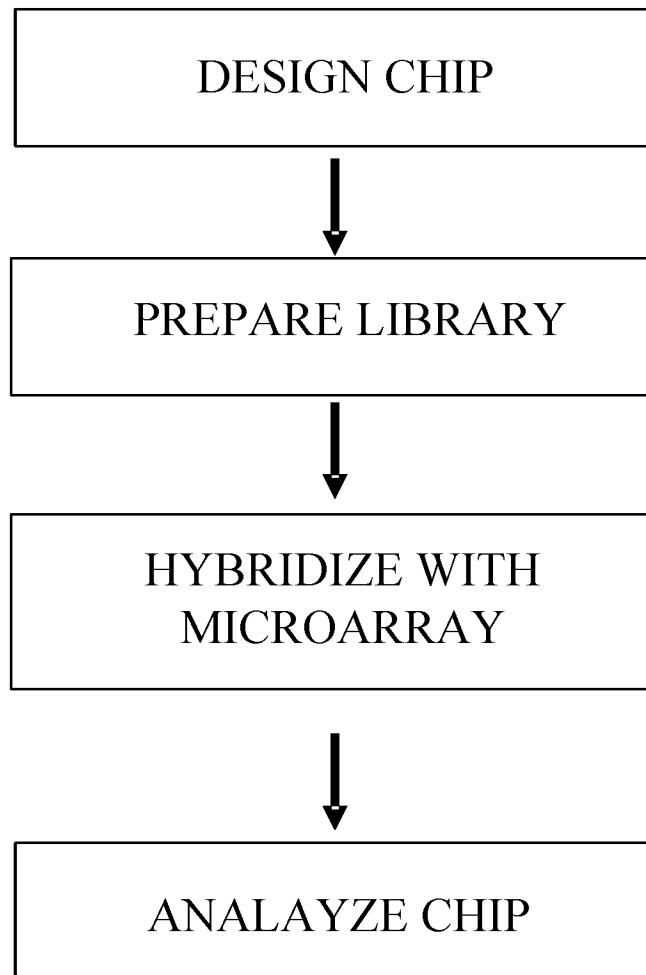


FIG. 17B

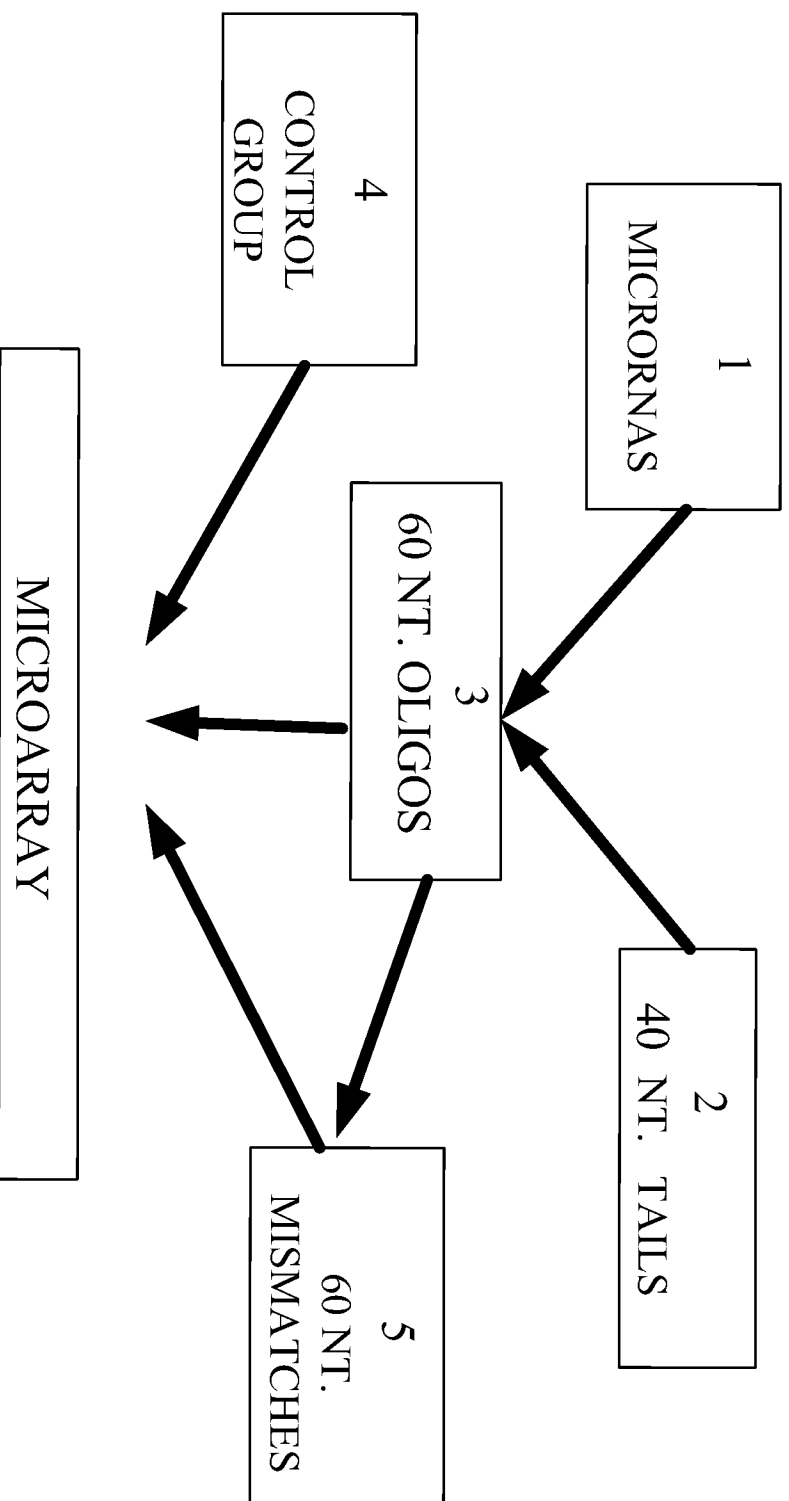


FIG. 17C

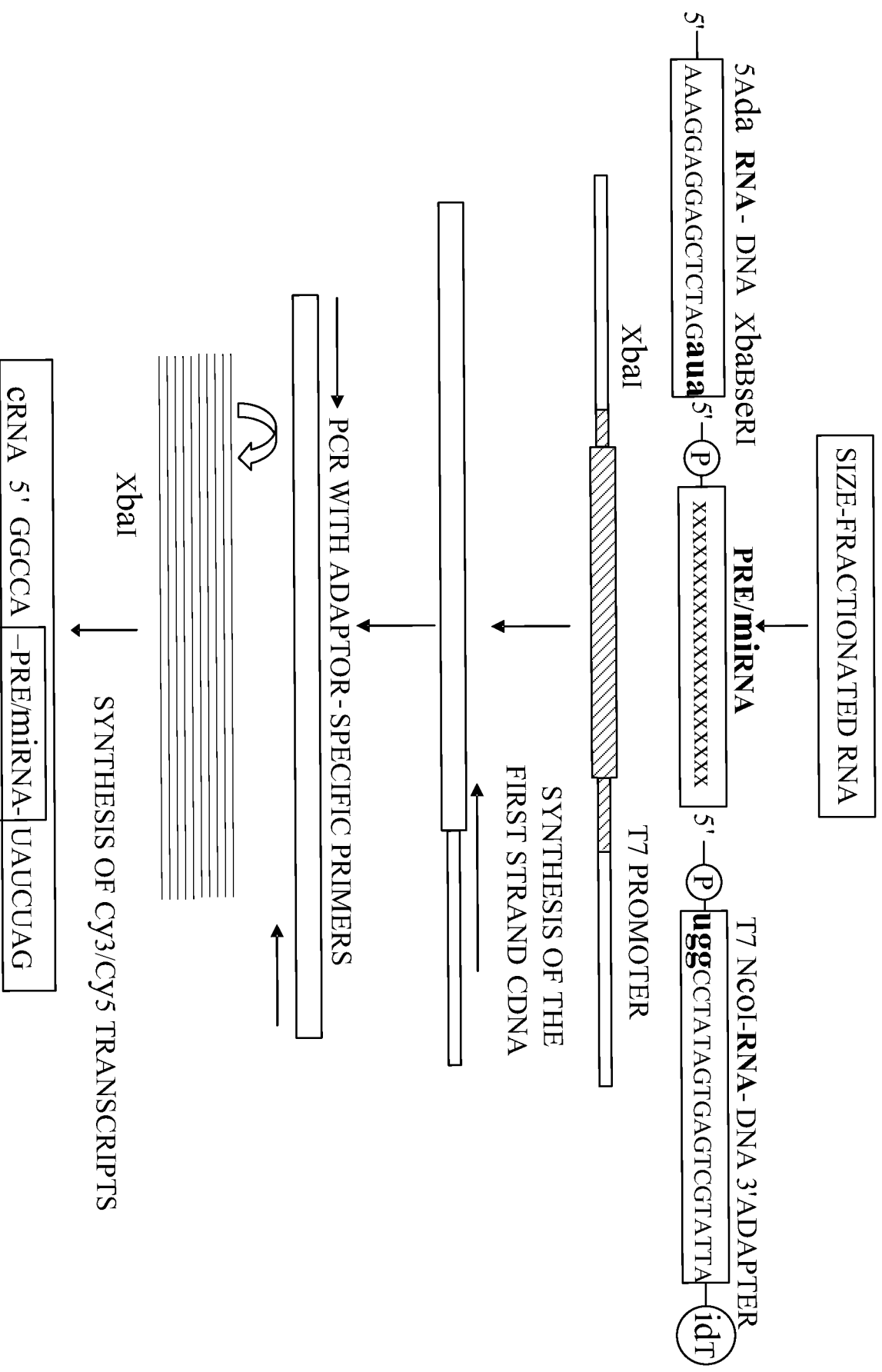


FIG. 18A

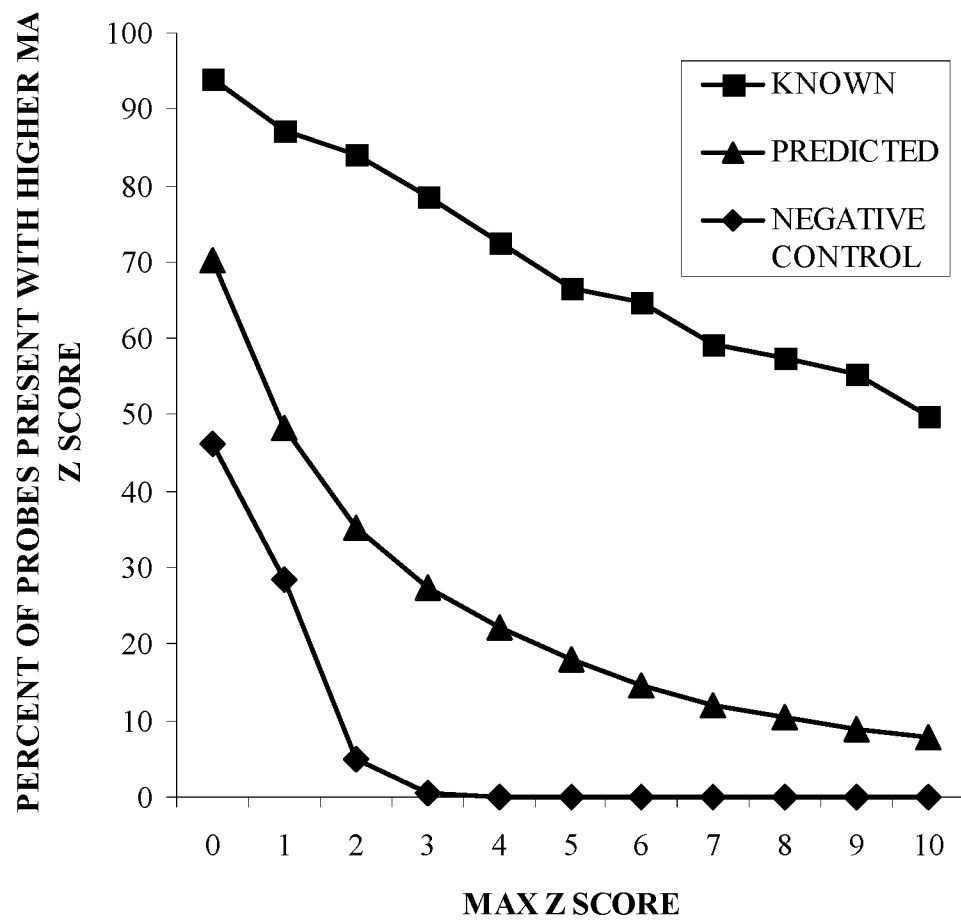


FIG. 18B

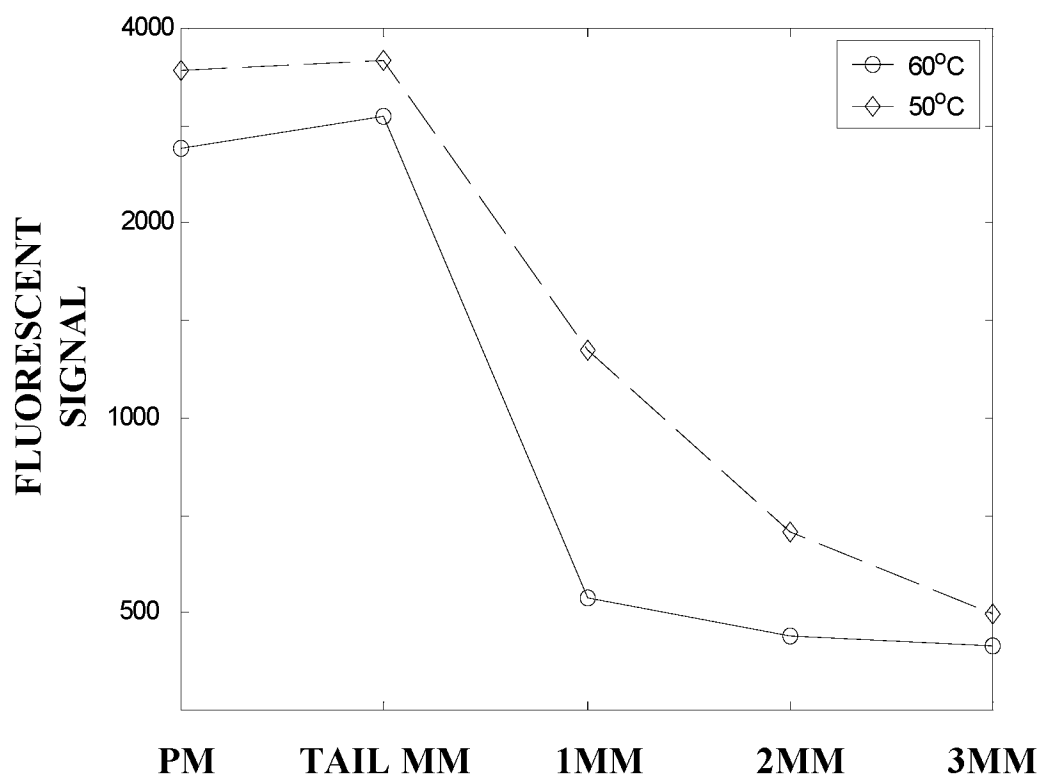


FIG. 18C

MIRNA NAME	HELA	BRAIN	LIVER	THYMUS	TESTES	PLACENTA	REFERENCE
HSA-MIR-124A	1879	65517	7025	3099	2672	2498	1,3
HSA-MIR-9	642	42659	3504	4455	4485	2313	2,3
HSA-MIR-128A	2015	27701	4940	4876	5166	2495	3
HSA-MIR-129	503	22573	1175	2213	5364	2017	3
HSA-MIR-128B	1168	21969	3954	4819	5383	2027	
HSA-MIR-122A	1051	447	65518	2644	617	570	1,3
HSA-MIR-194	501	910	65518	4737	2342	7952	3
HSA-MIR-148	413	620	38436	5250	6204	2711	
HSA-MIR-192	452	606	20650	1628	1263	2607	
HSA-MIR-96	887	3100	1477	44800	2266	5466	
HSA-MIR-150	648	1463	5295	65518	29728	5280	
HSA-MIR-205	551	615	1646	65518	2645	39072	
HSA-MIR-182	662	1944	1091	25771	2034	3683	
HSA-MIR-183	1026	1123	1286	8754	1681	2138	
HSA-MIR-204	525	3898	1757	6535	64859	6233	
HSA-MIR-10B	410	433	477	3871	23083	738	
HSA-MIR-154	438	733	1914	3309	14750	9637	
HSA-MIR-134	448	617	698	763	2250	997	
HSA-MIR-224	3233	11061	7684	32305	5377	65518	
HSA-MIR-210	844	2280	10703	6864	15288	62452	
HSA-MIR-221	625	9325	3520	20212	10608	54287	
HSA-MIR-141	696	805	1220	4063	2000	46845	
HSA-MIR-23A	1312	3492	2990	6021	11173	40076	
HSA-MIR-200C	556	595	1027	10636	1478	33532	
HSA-MIR-136	465	725	709	776	3100	8840	

1 LAGOS-QUINTANA ET AL., CURRENT BIOLOGY 12:735 (2002)
2 KRICHEVSKY ET AL., RNA 9:1274 (2003)
3 SEMPERE ET AL., GENOME BIOLOGY 5:R13 (2004)